

Cumulative contents Volume 31

Volume 31, No. 1, March 1993

Papers

J.C. Pesquet, O. Macchi and G. Tziritas	Soft-constrained LMS algorithms for decoder stability in backward adaptive predictive systems	1
G. Gelli, L. Izzo, A. Napolitano and L. Paura	Multipath-channel identification by an improved Prony algorithm based on spectral correlation measurements	17
D.-S. Han and H.-S. Lee	Performance of modified order statistics CFAR detectors with noncoherent integration	31
C.-J. Kim, D.-S. Han and H.-S. Lee	Generalized OS CFAR detector with noncoherent integration	43
H. Leung, T. Lo and J. Litva	Angle-of-arrival estimation in multipath environment using chaos theory	57
A.C. Den Brinker	Adaptive modified Laguerre filters	69
Short communications		
V. Hari Krishna and D.C. Reddy	Design of adaptive filters for a class of non-uniformly sampled signals	81
J. Tasić, D. Caf and M. Gušev	Solving linear systems of equations	91
D. Wulich	Hilbert transform of a constant envelope signal using the time-warping technique	97

Volume 31, No. 2, March 1993

Image processing

J. Shen and S. Castan	Towards the unification of band-limited derivative operators for edge detection	103
S. Burgett and M. Das	Predictive image coding using two-dimensional multiplicative autoregressive models	121
I. Ng, J. Kittler and J. Illingworth	Supervised segmentation using a multiresolution data representation	133
T. Aach, A. Kaup and R. Mester	Statistical model-based change detection in moving video	165

1-D signal processing

J. Neejärvi, A. Väri, S. Fotopoulos and Y. Neuvo	Weighted FMH filters	181
U.C. Niranjan and I.S.N. Murthy	ECG component delineation by Prony's method	191
K.-C. Tan and A.P.-C. Ng	A comparison of two approaches for improving direction-of-arrival estimates in the presence of non-white noise	203
G. Yang, H. Leich and R. Boite	Multiband code-excited linear prediction (MBCELP) for speech coding	215

Short communication

V. Srinivasan, P. Bhatia and S.H. Ong	A fast implementation of the discrete 2-D Gabor transform	229
---------------------------------------	---	-----

Book reviews	235
Announcements and calls for papers	237

Volume 31, No. 3, April 1993**Papers**

J.-P. Antoine, P. Garrette, R. Murenzi and B. Piette	
Image analysis with two-dimensional continuous wavelet transform	241
M.A. Poletti	
The development of instantaneous bandwidth via local signal expansion	273
C.C. Ko, G. Balabhaskar and R. Bachl	
Unbiased source estimation with an adaptive null steering algorithm	283
L.L. Scharf and L.T. McWhorter	
Geometry of the Cramer-Rao bound	301
F.-C. Zheng, S. McLaughlin and B. Mulgrew	
Blind equalisation of multilevel PAM data for nonminimum phase channels via second- and fourth-order cumulants	313
P. Stoica	
List of references on spectral line analysis	329
L.-W. Chang and M.-C. Wu	
A bit level systolic array for Walsh-Hadamard transforms	341
Short communication	
A. Eriksson and P. Stoica	
On statistical analysis of Pisarenko tone frequency estimator	349
Announcements and calls for papers	355
Author index	359
Cumulative contents	361

